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To: **Joe Garman** **Date:** November 14, 1997

From: **Cindy Boswell**

Subject: **Massachusetts Compliance - Outlier Handling**

In accordance with ISO 8243, "Cigarettes - Sampling," testing for outliers has been performed as described in ISO 5725, Section 3, Clause 11.2.3. For each set of data (each brand, each test), Dixon's test was performed at the 5% critical value. If a data point failed the Dixon test criteria, it was removed as an outlier. If an outlier was found, and there were at least 3 data values remaining, Dixon's test was repeated on the remaining data. This allowed for, at most, 3 values to be removed as outliers in any data set. The following table illustrates the results of this testing:

Brand	Total # Data Values (all tests)	Outliers Found
ML6	192	1 Puff value
ML6B	195	
ML6M	191	1 CO value; 1 Tar value
ML6MB	192	
ML6P25	188	
ML8	195	
ML8B	195	
ML8M	194	1 P+PWT value
MLM8B	195	
MR4B	192	1 Vent value
MR6	195	1 Vent value
MR6M	191	1 CWT value; 1 Vent value
MR6MB	195	1 Vent value; 1 Nic value
MR6P25	191	
MR8	195	
MR8B	195	1 CO value
MRM6	194	
MRM6B	192	1 Tar value
MRM8	194	1 Tar value
MRM8B	195	
TOTAL	**3866**	**13 data values**

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